Minisonic

Measured media	Pipe diameter up to	Model
Liquid	10 000 mm	Standard

High performing
- One pipe simple flow measurement
- OLED graphical display
- Display of the measurement echo, gain and quality index
- Accuracy up to 0,5 % of flow reading
- Repetability up to 0,1%
- Linearity up to 0,1%
- Multi-parameter data logger

Reliable
- On site zero point automatic calibration
- 2 validated flow calculation per second

Compatible
- All homogeneous fluids

Typical applications

Drinking water
Flow measurement and metering in treatment plant processes, flow measurement on supply networks, etc...

Waste water
Flow measurement of lift stations, in network, in/outlet of sewage treatment plant...

Raw water
Flow measurement on fire-fighting installations, network supervision..

HVAC
Flow measurement on installations, network supervision...

Chemical products
Flow measurement on acids, alkaline...

Food & drugs
Purified water flow measurement, CIP process supervision...

Energy, automotive sector...

www.faureherman.com

Minisonic

Technology	Transit time ultrasonic flowmeter
Signal treatment	Analogic + ESC (Echo Shape Control)
Usage	Single pipe flow measurement - Single chord
Measured values	Volumetric flowrate, Velocity, Speed of sound, Totalizers, Signal quality, Gain, Transit time...
Standard outputs	(1x) isolated Active 4-20 mA output (2x) isolated contact output
Optional I/O	N/A
Display	Clear OLED Graphic display 128x64 pixels
Help for diagnosis	Multi parameters as Quality index, Gain, Echo display, Celerity, Transit time ...
Configuration	Intuitive programming with easy to use MMI and keypad
Data logger	Logger of 1,8 Go - 33 M of recorded data - Up to 10 recordable parameters Recording period adjustable from 1 second to 1 hour Recording mode adjustable between: Average - Average Min Max - Average Min Max Standard deviation
Filters	Damping time - Memory time - Low-flow cut off
Language	French - English - German - Spanish - Portuguese - Thaï - Bahasa - Korean - Polish (For more, please contact us)
Communication	Modbus TCP/IP through Ethernet / USB port for update and logger downloading
In option, Communication protocol	HART or Modbus RTU
Power supply	110 – 230 VAC 50/60 Hz or 12 - 24 VDC (Average comsumption 6W - 10W peak) Option to choose when ordering
Enclosure	Molded Polycarbonate with 30% glass fibers, robust and compact
Dimensions	225 x 260 x 85 mm including mounting back plate
Weight	2,3 kg including mounting back plate (1,8 kg without mounting plate)
Protection	EN/IEC 60659 IP67
Compliance	EMC : EN/IEC 61326-1 Safety : EN/IEC 61010-1
Temperature of use	From -20°C to +60°C (Storage : -35°C to +60°C)

Dimensions